

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as indicated hereafter.

In the Specification:

The following is a marked-up version of the specification with the language that is underlined (“ ”) being added and the language that contains strikethrough (“”) being deleted:

For the paragraph beginning on page 1, line 5:

– CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a national stage application of International Application No. PCT/CN2003/001032, filed December 2, 2003, which claims priority to Chinese Patent Application No. 03139945.2, filed July 21, 2003, both applications of which are hereby incorporated by reference in their entirety into the present application. —

For the paragraph beginning on page 2, line 4:

~~The present invention is to solve technical problems for overcoming shortcoming in IP and PSTN videophone of background technology, to provide a method for realizing videophone terminal with transmitting IP address by PSTN and multimedia data information by IP network.~~

For the paragraph beginning on page 5, line 2 to the paragraph beginning on page 5, line 7:

~~Channel~~ Time slot segment number: taking values ~~0-1~~ to ~~5~~ 6, representing occupancy information of 30 time slots with a ~~channel~~ time slot bit table with 5 bits.

~~Channel~~ Time slot bit table: representing data occupation condition of a time slot (2-30) with the ~~channel~~ sequence time slot segment number. “1” expresses that the time slot is occupied by Ethernet data, “0” expresses that the time slot is occupied by the voice service.

According to above definitions, in each E1 frame (125us), it needs to express condition on 30 ~~channels~~ time slots, but, in each E1 frame, time slot 1 can only express 8-bit information, so that it needs multiple E1 frames to express entire ~~channel~~ time slots. A control word is made up of 3-bit time slot segment numbers and 5-bit time slot bit tables. 30 time slots are distributed in 6 time slot segments, and each time slot segment can describe occupancy information of 5 time slots. To describe service distribution condition of 30 time slots demands 6 frames ($6 \times 125\mu s = 1.5\text{ms}$), and serial numbers of 6 frames are represented as time slot segment numbers. FIG. 4 lists time slot numbers expressed by control words in 6 frames.

In the Abstract:

The following is a marked-up version of the claims with the language that is underlined (“ ”) being added and the language that contains strikethrough (“”) being deleted:

~~A implementation method for videophone terminal, which relates to transmission method in multimedia communication, including: firstly, establishing PSTN speech channel from a videophone terminal to another terminal according to the mode of dialing up PSTN normal telephone; then restarting videophone function; after digital information, such as IP address, was modulated to analog signal by terminal device, the signal was transmitted in PSTN speech channel to complete IP address interactive process; a terminal device starts calling automatic over a the IP network utilizing obtained IP address, then establishing videophone communication traffic based on IP network, namely multimedia data, such as speech, video data, were transmitted through IP network. Adopting the above method, a user can establish videophone multimedia communication process based on IP network according to the mode of dialing up the common PSTN telephone, and realizing simple and popular videophone function; the invention also provides a implementation method that a videophone terminal and simple IP videophone terminal call said videophone terminal.~~

A method and a device for realizing dynamic adjustment of data bandwidth of the invention are disclosed. The method comprises adding a control channel in a PCM trunk link to describe occupancy condition of time slots for current services. The device comprises a control word process circuit, a time slot distribution circuit and a CPU interface circuit, wherein the control word process circuit is designed to complete abstraction and insertion of control information in a control channel of E1/T1 link, the time slot distribution circuit completes separating voice time slots from Ethernet data time slots and rebuilding the data, and the CPU interface circuit implements time slot distribution control. The method and the device can implement dynamic adjustment of Ethernet data bandwidth while ensuring voice services, to make effective use of trunk bandwidth and enhance user's data service bandwidth, and there is no error code and interruption of data service during bandwidth adjustment.